

Work Order ID 131197-2

\*131197\*

Tuesday, April 14, 2015 2:33:11 PM

Page 1

Item ID: D412-702-345

Accept

Revision ID:

\*N900040100\*

Setup Start \*NS1\*

Item Name: Shoulder Harness, 3-Point Att., Inertia Reel Continuous Belt, 4 Man Aft

Stop \*NS2\*

Start Date: 3/30/15 Start Qty: 2.00 \*2\*

Cust Item ID:

Required Date: 3/30/15 Req'd Qty: 2.00 \*2\*

Customer:

Reference:

Approvals:

Process Plan:

Date: 15-4-14

Tooling:

Date:

Run Start \*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop \*NR2\*

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

DSI9511

A

100

Document Control

0.00

\*100\*

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D412-702-345 CHG001

MLJ 1504-15

MAY 04 2015

DAS  
27  
9-89

110

Pick Kit

0.00

\*110\*

Packaging

Memo

0.00

Packaging

APR 14 2015

DAS  
6  
9-88

DAS  
26  
9-89

120

QC4- 100% Inspect kits for completeness

0.00

\*120\*

QC

Memo

0.00

Quality Control

DAS  
27  
9-89

may 4/2015



**Work Order ID 131197**

Tuesday, April 14, 2015 2:33:11 PM

**\*131197\***

Page 2

Item ID: D412-702-345

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Shoulder Harness, 3-Point Att., Inertia Reel Continuous Belt, 4 Man Aft

Start Date: 3/30/15 Start Qty: 2.00 **\*2\***

Cust Item ID:

Required Date: 3/30/15 Req'd Qty: 2.00 **\*2\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***Stop **\*NR2\***

| Sequence ID/<br>Work Center ID | Operation<br>Description                               | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp    |
|--------------------------------|--------------------------------------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|-------------------|
| 130                            | Packaging                                              | 0.00                 |         |        |              | /             |               |                  | DAS<br>06<br>9-89 |
| <b>*130*</b>                   |                                                        |                      |         |        |              |               |               |                  |                   |
| Packaging                      | Memo                                                   | 0.00                 |         |        |              |               |               |                  |                   |
| Packaging                      | Identify and pack for shipping as per PPP D412-702-345 |                      |         |        |              |               |               |                  |                   |
|                                | Location: <u>024</u>                                   |                      |         |        |              |               |               |                  |                   |
|                                | PPP Rev: _____                                         |                      |         |        |              |               |               |                  |                   |
| 140                            | QC21- Final Inspection - Work Order Release            | 0.00                 |         |        |              |               |               |                  | MAY 04 2015       |
| <b>*140*</b>                   |                                                        |                      |         |        |              |               |               |                  |                   |
| QC                             | Memo                                                   | 0.00                 |         |        |              |               |               |                  | MCS               |
| Quality Control                |                                                        |                      |         |        |              |               |               |                  |                   |

MCS MAY 04 2015





# Picklist Print

Tuesday, April 14, 2015 2:33:15 PM

Page 1

Work Order ID: 131197

**\*131197\***

Parent Item: D412-702-345

**\*D412-702-345\***

Parent Item Name: Shoulder Harness, 3-Point Att., Inertia Reel Continuous Belt, 4 Man Aft

Start Date: 3/30/15

Required Date: 3/30/15

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev:A new issue DD 10.04.30 verified:EC

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|

D412-702-311

Manufactured No

110

Each

2.0000

1

2

DAS

6

3-88

DAS

26

9-89

**\*D412-702-311\***

Harness Assembly

Location

Loc Qty

Loc Code

ST468

1

127886

1

ST471

1

129931

1

D412-702-313

Manufactured No

110

Each

2.0000

1

2

DAS

6

3-88

DAS

26

9-89

**\*D412-702-313\***

Harness Assy

Location

Loc Qty

Loc Code

ST468

2

127601

1

129957

1

D412-702-321

Manufactured No

110

Each

2.0000

1

2

DAS

6

3-88

DAS

26

9-89

**\*D412-702-321\***

Harness Assy

Location

Loc Qty

Loc Code

ST468

2

127905

1

127906

1

APR 14 2015



# Picklist Print

Tuesday, April 14, 2015 2:33:16 PM

Page 2

Work Order ID: 131197

\*131197\*

Parent Item: D412-702-345

\*D412-702-345\*

Parent Item Name: Shoulder Harness, 3-Point Att., Inertia Reel Continuous Belt, 4 Man Aft

Start Date: 3/30/15

Required Date: 3/30/15

Start Qty: 2.00

Required Qty: 2.00

D412-702-323

Manufactured No

110

Each

2.0000

1 2

\*D412-702-323\*

Harness Assembly

\*\*

DAS  
6  
3-89

DAS  
26  
3-89

Location

Loc Qty

Loc Code

ST468

1

127485

1

ST471

1

129847

1

Manufactured No

110

Each

3.0000

2 4

D3572-041

\*D3572-041\*

Guide

\*\*

DAS  
6  
3-89

DAS  
26  
3-89

Location

Loc Qty

Loc Code

ST255

3

127811

3

Purchased No

110

Each

218.0000

2 4

AN4-16A

\*AN4-16A\*

Bolt

\*\*

DAS  
6  
3-89

Location

Loc Qty

Loc Code

FG

5

121541

5

ST325A

9

M131800

9

ST343

204

M128813

4

M132035

200

APR 14 2015

DAS  
26  
3-89





# Picklist Print

Tuesday, April 14, 2015 2:33:16 PM

Page 3

Work Order ID: 131197

\*131197\*

Parent Item: D412-702-345

\*D412-702-345\*

Parent Item Name: Shoulder Harness, 3-Point Att., Inertia Reel Continuous Belt, 4 Man Aft

Start Date: 3/30/15

Required Date: 3/30/15

Start Qty: 2.00

Required Qty: 2.00

AN4-25A

Purchased

No

110

Each

26.0000

4

8

DAS  
6  
3-89

DAS  
26  
9-89

\*AN4-25A\*

Bolt

\*\*

Location

Loc Qty

Loc Code

ST342

26

m126400

6

m131305

20

8/4

AN4-27A

Purchased

No

110

Each

35.0000

4

8

DAS  
6  
3-89

DAS  
26  
9-89

\*AN4-27A\*

Bolt

\*\*

Location

Loc Qty

Loc Code

ST342

35

m126461

35

8/4

NAS1149D0463J

Purchased

No

110

Each

5,757.000

20

40

\*\*

\*NAS1149D0463J\*

WASHER

Location

Loc Qty

Loc Code

GA

41

M129390

41

ST269

5716

M129682

289

M130799

427

M132035

5000

APR 14 2015

DAS  
6  
3-89

DAS  
26  
9-89

8/4



# Picklist Print

Tuesday, April 14, 2015 2:33:16 PM

Page 4

Work Order ID: 131197

\*131197\*

Parent Item: D412-702-345

\*D412-702-345\*

Parent Item Name: Shoulder Harness, 3-Point Att., Inertia Reel Continuous Belt, 4 Man Aft

Start Date: 3/30/15

Required Date: 3/30/15

Start Qty: 2.00

Required Qty: 2.00

MS21042L4

Purchased

No

110

Each

1,577.000

6

12

\*MS21042L4\*

Locknut

\*\*

DAS

6

3-30

APR 14 2015

DAS

26

3-30

DAS

27

3-30

27

## Location

## Loc Qty

## Loc Code

FP001

42

m124231

42

GA

574

m127813

574

ST260a

418

m130799

56

m131803

362

ST305

543

426

426

m128300

8

m130922

97

m131618

12

Qex

Tuesday, April 14, 2015 2:33:16 PM

Shop Packet Print

Page 4





# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3

REF TCCA STC SH04-7  
REF FAA STC SR01997NY  
REF EASA STC EASA.I.M.R.S.00710

13/19/2005  
150330

This service instruction adds several kits equipped with improved inertia reels:

The Dart **D412-702-341** 13-Man Shoulder Harness Kit provides 3-point harnesses with inertia reels and joined lap and shoulder belts for all 13 passenger seating positions in the aircraft cabin. The kit also contains hardpoints for securing the harnesses. The harnesses for this kit meet the requirements of TSO-C114 and replace the existing lap belts. This kit should be installed similar to the D412-702-041B kit, as detailed in Table 1 of this service instruction.

The Dart **D412-702-343** 5-Man Forward Facing Shoulder Harness Kit provides 3-point harnesses with inertia reels and joined lap and shoulder belts for the 5 forward facing seating positions in the aircraft cabin. The kit also contains hardpoints for securing the harnesses. The harnesses for this kit meet the requirements of TSO-C114 and replace the existing lap belts. This kit should be installed similar to the D412-702-043B kit, as detailed in Table 1 of this service instruction.

The Dart **D412-702-345** 4-Man Shoulder Harness Kit provides 3-point harnesses with inertia reels and joined lap and shoulder belts for the 4 aft facing seating positions in the aircraft cabin. The kit also contains hardpoints for securing the harnesses. The harnesses for this kit meet the requirements of TSO-C114 and replace the existing lap belts. This kit should be installed similar to the D412-702-045B kit, as detailed in Table 1 of this service instruction.

The Dart **D412-702-347** 4-Man Shoulder Harness Kit provides 3-point harnesses with inertia reels and joined lap and shoulder belts for the 4 side facing seating positions in the aircraft cabin. The kit also contains hardpoints for securing the harnesses. The harnesses for this kit meet the requirements of TSO-C114 and replace the existing lap belts. This kit should be installed similar to the D412-702-047B kit, as detailed in Table 1 of this service instruction.

The Dart **D412-702-349** 1-Man Shoulder Harness Kit provides a 3-point harness with an inertia reel and joined lap and shoulder belts for the center forward facing seating position in the aircraft cabin. The kit also contains hardpoints for securing the harness. The harness for this kit meets the requirements of TSO-C114 and replaces the existing lap belts. This kit should be installed similar to the D412-702-049B kit, as detailed in Table 1 of this service instruction.

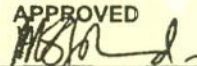
The Dart **D412-702-351** 1-man 3-point shoulder harness kits are available for the outboard seats of the 5-man forward facing bench in Bell 205/212/214/412 model aircraft. The kit can be installed LH or RH. These kits should be installed similar to the D412-702-051B/-052B kits, as detailed in Table 1 of this service instruction.

The Dart **D214-702-337** 5-Man Aft Facing Shoulder Harness Kit provides 3-point harnesses with inertial reels and joined lap and shoulder belts for the 5-man aft facing seat installed in the Bell 214B/B1 model aircraft. This kit should be installed similar to the D214-702-037B kit, as detailed in Table 1 of this service instruction.

The Dart **D205-702-353** 4-Man Aft Facing Shoulder Harness Kit provides 3-point harnesses with inertial reels and joined lap and shoulder harnesses for the 4-man aft facing seat installed in the UH-1 model aircraft. This kit should be installed similar to the D205-702-053B kit, as detailed in Table 1 of this service instruction.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 10.03.22  
CERT. NO.: SH04-7  
ISSUE NO.: 3

|            |             |                                                                                                                                                                                                                                                                                         |              |
|------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| A          | NEW ISSUE   | CP                                                                                                                                                                                                                                                                                      | 10.03.18     |
| REV.       | DESCRIPTION | BY                                                                                                                                                                                                                                                                                      | DATE         |
| DESIGN     | 92          | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                |              |
| DRAWN      | 92          |                                                                                                                                                                                                                                                                                         |              |
| CHECKED    | 1           | DRAWING NO.                                                                                                                                                                                                                                                                             | REV. A       |
| MFG. APPR. | N/A         | DSI 9511                                                                                                                                                                                                                                                                                | SHEET 1 OF 6 |
| APPROVED   | 140         | TITLE                                                                                                                                                                                                                                                                                   | SCALE        |
| DE APPR.   | 140         | NEW SHOULDER HARNESS KITS                                                                                                                                                                                                                                                               | NTS          |
| DATE       | 10.03.18    | COPYRIGHT © 2010 BY DART AEROSPACE LTD<br><small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> |              |





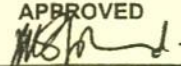
## INSTALLATION

The Dart D412-702-3XX kits should be installed similar to the kits in Installation Instructions IIN-D412-702 Rev. E or Dart Service Instruction (DSI) listed below:

TABLE 1

| Part Number  | Description          | Install similar to:                                                                |
|--------------|----------------------|------------------------------------------------------------------------------------|
| D412-702-341 | Shoulder Harness Kit | D412-702-041B (IIN-D412-702, DSI 9408)                                             |
| D412-702-343 | Shoulder Harness Kit | D412-702-043B (IIN-D412-702, DSI 9453 [214], DSI 9408)                             |
| D412-702-345 | Shoulder Harness Kit | D412-702-045B (IIN-D412-702, DSI 9469)                                             |
| D412-702-347 | Shoulder Harness Kit | D412-702-047B (IIN-D412-702, DSI 9408)                                             |
| D412-702-349 | Shoulder Harness Kit | D412-702-049B (IIN-D412-702, DSI 9408)                                             |
| D412-702-351 | Shoulder Harness Kit | D412-702-051B (LH) (DSI 9397, DSI 9408)<br>D412-702-052B (RH) (DSI 9397, DSI 9408) |
| D214-702-337 | Shoulder Harness Kit | D214-702-037B (DSI 9454)                                                           |
| D205-702-353 | Shoulder Harness Kit | D205-702-053B (DSI 9460)                                                           |
| D412-702-301 | Harness Assembly     | D412-702-101B (IIN-D412-702)                                                       |
| D412-702-303 | Harness Assembly     | D412-702-103B (IIN-D412-702)                                                       |
| D412-702-305 | Harness Assembly     | D412-702-105B (IIN-D412-702)                                                       |
| D412-702-307 | Harness Assembly     | D412-702-107B (IIN-D412-702)                                                       |
| D412-702-309 | Harness Assembly     | D412-702-109B (IIN-D412-702)                                                       |
| D412-702-311 | Harness Assembly     | D412-702-111B (IIN-D412-702)                                                       |
| D412-702-313 | Harness Assembly     | D412-702-113B (IIN-D412-702)                                                       |
| D412-702-315 | Harness Assembly     | D412-702-115B (IIN-D412-702)                                                       |
| D412-702-317 | Harness Assembly     | D412-702-117B (IIN-D412-702)                                                       |
| D412-702-319 | Harness Assembly     | D412-702-119B (DSI 9454)                                                           |
| D412-702-321 | Harness Assembly     | D412-702-121B (DSI 9454, DSI 9469)                                                 |
| D412-702-323 | Harness Assembly     | D412-702-123B (DSI 9454, DSI 9469)                                                 |

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY:   
D. SHEPHERD (DE # 02)

DATE: 10.03.22  
CERT. NO.: SH04-7  
ISSUE NO.: 3

|            |          |                                                                                                                                                                                                                                                                                         |
|------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DESIGN     | 99       | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                |
| DRAWN      | 99       |                                                                                                                                                                                                                                                                                         |
| CHECKED    | J        | DRAWING NO. REV. A                                                                                                                                                                                                                                                                      |
| MFG. APPR. | N/A      | DSI 9511 SHEET 2 OF 6                                                                                                                                                                                                                                                                   |
| APPROVED   | 160      | TITLE SCALE                                                                                                                                                                                                                                                                             |
| DE APPR.   | H        | NEW SHOULDER HARNESS KITS NTS                                                                                                                                                                                                                                                           |
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**PARTS LIST**

**TABLE 2**

| QTY<br>-341 | QTY<br>-343 | QTY<br>-345 | QTY<br>-347 | QTY<br>-349 | QTY<br>-351 | Part Number  | Description                                               |
|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------------------------------------------------------|
| X           |             |             |             |             |             | D412-702-341 | Dart 13-Man 3-Point<br>Shoulder Harness Kit               |
|             | X           |             |             |             |             | D412-702-343 | Dart 5-Man 3-Point Forward Facing<br>Shoulder Harness Kit |
|             |             | X           |             |             |             | D412-702-345 | Dart 4-Man 3-Point Aft Facing<br>Shoulder Harness Kit     |
|             |             |             | X           |             |             | D412-702-347 | Dart 4-Man 3-Point Side Facing<br>Shoulder Harness Kit    |
|             |             |             |             | X           |             | D412-702-349 | Dart 1-Man 3-Point Forward<br>Shoulder Harness Kit        |
|             |             |             |             |             | X           | D412-702-351 | Dart 1-Man 3-Point<br>Shoulder Harness Kit                |
| 1           | 1           |             | 1           | 1           |             | D412-702-059 | GROMMET KIT                                               |
| 9           | 5           |             | 4           | 1           | 1           | D3761-1-041  | HOOK AND LOOP STRIP (DSI 9408)                            |
| 2           | 1           |             | 1           |             |             | D412-702-301 | HARNESS ASSEMBLY (NEW)                                    |
| 1*          | 1*          |             | 1*          |             |             | D3573-7      | ADAPTER                                                   |
| 1*          | 1*          |             | 1*          |             |             | D4088-041    | SHOULDER HARNESS (NEW)                                    |
| 4*          | 4*          |             | 4*          |             |             | MS24693S272  | SCREW                                                     |
| 4*          | 4*          |             | 4*          |             |             | AN960JD10LL  | WASHER                                                    |
| 4*          | 4*          |             | 4*          |             |             | MS21042L3    | NUT                                                       |
| 2           | 1           |             | 1           |             |             | D412-702-303 | HARNESS ASSEMBLY (NEW)                                    |
| 1*          | 1*          |             | 1*          |             |             | D3573-8      | ADAPTER                                                   |
| 1*          | 1*          |             | 1*          |             |             | D4088-041    | SHOULDER HARNESS (NEW)                                    |
| 4*          | 4*          |             | 4*          |             |             | MS24693S272  | SCREW                                                     |
| 4*          | 4*          |             | 4*          |             |             | AN960JD10LL  | WASHER                                                    |
| 4*          | 4*          |             | 4*          |             |             | MS21042L3    | NUT                                                       |
| 1           | 1           |             |             | 1           |             | D412-702-305 | HARNESS ASSEMBLY (NEW)                                    |
| 1*          | 1*          |             |             | 1*          |             | D3573-1      | ADAPTER                                                   |
| 1*          | 1*          |             |             | 1*          |             | D4088-041    | SHOULDER HARNESS (NEW)                                    |
| 4*          | 4*          |             |             | 4*          |             | MS24693S273  | SCREW                                                     |
| 4*          | 4*          |             |             | 4*          |             | AN960JD10LL  | WASHER                                                    |
| 4*          | 4*          |             |             | 4*          |             | MS21042L3    | NUT                                                       |
| 1           | 1           |             |             |             | 1           | D412-702-307 | HARNESS ASSEMBLY (NEW)                                    |
| 1*          | 1*          |             |             |             | 1*          | D3573-3      | ADAPTER                                                   |
| 1*          | 1*          |             |             |             | 1*          | D4088-041    | SHOULDER HARNESS (NEW)                                    |
| 4*          | 4*          |             |             |             | 4*          | MS24693S272  | SCREW                                                     |
| 4*          | 4*          |             |             |             | 4*          | AN960JD10LL  | WASHER                                                    |
| 4*          | 4*          |             |             |             | 4*          | MS21042L3    | NUT                                                       |
| 1           | 1           |             |             |             |             | D412-702-309 | HARNESS ASSEMBLY (NEW)                                    |
| 1*          | 1*          |             |             |             |             | D3573-3      | ADAPTER                                                   |
| 1*          | 1*          |             |             |             |             | D4088-041    | SHOULDER HARNESS (NEW)                                    |
| 4*          | 4*          |             |             |             |             | MS24693S272  | SCREW                                                     |
| 4*          | 4*          |             |             |             |             | AN960JD10LL  | WASHER                                                    |
| 4*          | 4*          |             |             |             |             | MS21042L3    | NUT                                                       |

\* denotes that part is included in assembly above

*continued next page...*

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY: *[Signature]*  
D. SHEPHERD (DE # 02)

DATE: 10.03.22  
CERT. NO.: SH04-7  
ISSUE NO.: 3

|            |                    |                                                                                                                                                                                                                                                                                                 |
|------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DESIGN     | <i>qp</i>          | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                        |
| DRAWN      | <i>qp</i>          |                                                                                                                                                                                                                                                                                                 |
| CHECKED    | <i>[Signature]</i> | DRAWING NO. REV. A                                                                                                                                                                                                                                                                              |
| MFG. APPR. | N/A                | DSI 9511 SHEET 3 OF 6                                                                                                                                                                                                                                                                           |
| APPROVED   | <i>[Signature]</i> | TITLE SCALE                                                                                                                                                                                                                                                                                     |
| DE APPR.   | <i>[Signature]</i> | NEW SHOULDER HARNESS KITS NTS                                                                                                                                                                                                                                                                   |
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...continued from previous page

| QTY<br>-341 | QTY<br>-343 | QTY<br>-345 | QTY<br>-347 | QTY<br>-349 | QTY<br>-351 | Part Number  | Description            |
|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------------------|
| 1           |             | 1           |             |             |             | D412-702-311 | HARNESS ASSEMBLY (NEW) |
| 1*          |             | 1*          |             |             |             | D3570-1      | BRACKET                |
| 1*          |             | 1*          |             |             |             | D4088-043    | SHOULDER HARNESS (NEW) |
| 4*          |             | 4*          |             |             |             | MS24694S50   | SCREW                  |
| 4*          |             | 4*          |             |             |             | AN960JD10L   | WASHER                 |
| 4*          |             | 4*          |             |             |             | MS21042L3    | NUT                    |
| 1           |             | 1           |             |             |             | D412-702-313 | HARNESS ASSEMBLY (NEW) |
| 1*          |             | 1*          |             |             |             | D3570-2      | BRACKET                |
| 1*          |             | 1*          |             |             |             | D4088-043    | SHOULDER HARNESS (NEW) |
| 4*          |             | 4*          |             |             |             | MS24694S50   | SCREW                  |
| 4*          |             | 4*          |             |             |             | AN960JD10L   | WASHER                 |
| 4*          |             | 4*          |             |             |             | MS21042L3    | NUT                    |
| 1           |             |             | 1           |             |             | D412-702-315 | HARNESS ASSEMBLY (NEW) |
| 1*          |             |             | 1*          |             |             | D3573-5      | ADAPTER                |
| 1*          |             |             | 1*          |             |             | D4088-041    | SHOULDER HARNESS (NEW) |
| 4*          |             |             | 4*          |             |             | MS24693S272  | SCREW                  |
| 4*          |             |             | 4*          |             |             | AN960JD10LL  | WASHER                 |
| 4*          |             |             | 4*          |             |             | MS21042L3    | NUT                    |
| 1           |             |             | 1           |             |             | D412-702-317 | HARNESS ASSEMBLY (NEW) |
| 1*          |             |             | 1*          |             |             | D3573-5      | ADAPTER                |
| 1*          |             |             | 1*          |             |             | D4088-041    | SHOULDER HARNESS (NEW) |
| 4*          |             |             | 4*          |             |             | MS24693S272  | SCREW                  |
| 4*          |             |             | 4*          |             |             | AN960JD10LL  | WASHER                 |
| 4*          |             |             | 4*          |             |             | MS21042L3    | NUT                    |
| 1           |             | 1           |             |             |             | D412-702-321 | HARNESS ASSEMBLY (NEW) |
| 1*          |             | 1*          |             |             |             | D3570-3      | BRACKET                |
| 1*          |             | 1*          |             |             |             | D4088-043    | SHOULDER HARNESS (NEW) |
| 4*          |             | 4*          |             |             |             | MS24694S50   | BOLT                   |
| 4*          |             | 4*          |             |             |             | AN960JD10L   | WASHER                 |
| 4*          |             | 4*          |             |             |             | MS21042L3    | NUT                    |
| 1           |             | 1           |             |             |             | D412-702-323 | HARNESS ASSEMBLY (NEW) |
| 1*          |             | 1*          |             |             |             | D3570-4      | BRACKET                |
| 1*          |             | 1*          |             |             |             | D4088-043    | SHOULDER HARNESS (NEW) |
| 4*          |             | 4*          |             |             |             | MS24694S50   | BOLT                   |
| 4*          |             | 4*          |             |             |             | AN960JD10L   | WASHER                 |
| 4*          |             | 4*          |             |             |             | MS21042L3    | NUT                    |

\* denotes that part is included in assembly above

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CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 10.03.22  
CERT. NO.: SH04-7  
ISSUE NO.: 3

|            |                                                                                     |                                                                                                                                                                                                                                                                                          |              |
|------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     |  | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                 |              |
| DRAWN      |  |                                                                                                                                                                                                                                                                                          |              |
| CHECKED    |  | DRAWING NO.                                                                                                                                                                                                                                                                              | REV. A       |
| MFG. APPR. | N/A                                                                                 | DSI 9511                                                                                                                                                                                                                                                                                 | SHEET 4 OF 6 |
| APPROVED   |  | TITLE                                                                                                                                                                                                                                                                                    | SCALE        |
| DE APPR.   |  | NEW SHOULDER HARNESS KITS                                                                                                                                                                                                                                                                | NTS          |
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| QTY<br>-341 | QTY<br>-343 | QTY<br>-345 | QTY<br>-347 | QTY<br>-349 | QTY<br>-351 | Part Number | Description     |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------|
| 2           | 2           |             |             |             |             | D3542-1     | BRACKET         |
| 7           | 3           |             | 4           | 1           |             | D3571-1     | GUIDE           |
| 2           | 2           |             |             |             |             | D3571-3     | GUIDE           |
| 2           |             | 2           |             |             |             | D3572-041   | GUIDE ASSEMBLY  |
| 12          | 6           |             | 6           | 2           |             | D3578-041   | DOUBLER         |
| 2           | 2           |             |             |             |             | D3610-041   | BRACKET         |
| 2           | 2           |             |             |             |             | D3618-1     | CAP             |
| 4           | 4           |             |             |             |             | AN4-10A     | BOLT            |
| 2           |             | 2           |             |             |             | AN4-16A     | BOLT            |
| 4           |             | 4           |             |             |             | AN4-25A     | BOLT            |
| 4           |             | 4           |             |             |             | AN4-27A     | BOLT (DSI 9469) |
| 2           | 2           |             |             |             |             | AN4-44A     | BOLT            |
| 2           | 2           |             |             |             |             | MS24693S274 | SCREW           |
| 3           | 3           |             |             | 1           |             | MS24694S56  | SCREW           |
| 10          | 2           |             | 8           |             |             | MS24694S58  | SCREW           |
| 1           | 1           |             |             | 1           |             | MS24694S60  | SCREW           |
| 26          | 6           | 20          |             |             |             | AN960JD416  | WASHER          |
| 4           | 4           |             |             |             |             | AN960JD416L | WASHER          |
| 12          | 6           | 6           |             |             |             | MS21042L4   | NUT             |
| 24          | 12          |             | 12          | 4           |             | CR3212-4-4  | RIVET           |

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

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CERT. NO.: SH04-7  
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|            |                                                                                     |                                                                                                                                                                                                                                                                                         |
|------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DESIGN     | 92                                                                                  | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                |
| DRAWN      | 92                                                                                  |                                                                                                                                                                                                                                                                                         |
| CHECKED    |                                                                                     | DRAWING NO. REV. A                                                                                                                                                                                                                                                                      |
| MFG. APPR. | N/A                                                                                 | DSI 9511 SHEET 5 OF 6                                                                                                                                                                                                                                                                   |
| APPROVED   |  | TITLE SCALE                                                                                                                                                                                                                                                                             |
| DE APPR.   |  | NEW SHOULDER HARNESS KITS NTS                                                                                                                                                                                                                                                           |
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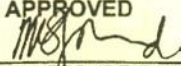
TABLE 3

| QTY<br>-337 | QTY<br>-353 | Part Number  | Description                                                              |
|-------------|-------------|--------------|--------------------------------------------------------------------------|
| X           |             | D214-702-337 | Dart 5-Man 3 Point Aft Facing<br>Shoulder Harness Kit, for 214 Aircraft  |
|             | X           | D205-702-353 | Dart 4-Man 3 Point Aft Facing<br>Shoulder Harness Kit, for UH-1 Aircraft |
| 1           | 2           | D412-702-311 | HARNESS ASSEMBLY (NEW) --> SEE TABLE 2                                   |
| 1           | 2           | D412-702-313 | HARNESS ASSEMBLY (NEW) --> SEE TABLE 2                                   |
| 1           |             | D412-702-321 | HARNESS ASSEMBLY (NEW) --> SEE TABLE 2                                   |
| 1           |             | D412-702-323 | HARNESS ASSEMBLY (NEW) --> SEE TABLE 2                                   |
| 1           |             | D412-702-319 | HARNESS ASSEMBLY (NEW)                                                   |
| 1*          |             | D3925-041    | BRACKET                                                                  |
| 1*          |             | D4088-043    | SHOULDER HARNESS ASSEMBLY (NEW)                                          |
| 4*          |             | MS24694S50   | BOLT                                                                     |
| 4*          |             | AN960JD10L   | WASHER                                                                   |
| 4*          |             | MS21042L3    | NUT                                                                      |
|             | 1           | D3572-043    | GUIDE ASSY                                                               |
|             | 1           | D3572-044    | GUIDE ASSY                                                               |
| 1           |             | D3920-041    | SEATBELT GUIDE ASSEMBLY                                                  |
| 2           |             | D3920-5      | SEATBELT GUIDE                                                           |
| 1           | 6           | AN4-16A      | BOLT                                                                     |
| 1           |             | AN4-21A      | BOLT                                                                     |
| 7           |             | AN4-25A      | BOLT                                                                     |
| 18          | 12          | AN960JD416   | WASHER                                                                   |
| 9           | 6           | MS21042L4    | NUT                                                                      |

\* denotes that part is included in assembly above

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D. SHEPHERD (DE # 02)

DATE: 10.03.22  
CERT. NO.: SH04-7  
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|------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     | 97                                                                                  | <b>DART AEROSPACE LTD</b>                                                                                                                                                                                                                                                               |              |
| DRAWN      | 97                                                                                  | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                                             |              |
| CHECKED    | E                                                                                   | DRAWING NO.                                                                                                                                                                                                                                                                             | REV. A       |
| MFG. APPR. | N/A                                                                                 | DSI 9511                                                                                                                                                                                                                                                                                | SHEET 6 OF 6 |
| APPROVED   |  | TITLE                                                                                                                                                                                                                                                                                   | SCALE        |
| DE APPR.   |                                                                                     | NEW SHOULDER HARNESS KITS                                                                                                                                                                                                                                                               | NTS          |
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| QTY<br>-337 | QTY<br>-341 | QTY<br>-343 | QTY<br>-345 | QTY<br>-347 | QTY<br>-349 | QTY<br>-351 | Part Number  | Description                                                          |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|----------------------------------------------------------------------|
| X           |             |             |             |             |             |             | D214-702-337 | Dart 5-Man 3 Point Aft Facing Shoulder Harness Kit, for 214 Aircraft |
|             | X           |             |             |             |             |             | D412-702-341 | Dart 13-Man 3-Point Shoulder Harness Kit                             |
|             |             | X           |             |             |             |             | D412-702-343 | Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit               |
|             |             |             | X           |             |             |             | D412-702-345 | Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit                   |
|             |             |             |             | X           |             |             | D412-702-347 | Dart 4-Man 3-Point Side Facing Shoulder Harness Kit                  |
|             |             |             |             |             | X           |             | D412-702-349 | Dart 1-Man 3-Point Forward Facing Shoulder Harness Kit               |
|             |             |             |             |             |             | X           | D412-702-351 | Dart 1-Man 3-Point Shoulder Harness Kit                              |
|             | 1           | 1           |             | 1           | 1           |             | D412-702-059 | GROMMET KIT                                                          |
|             | 2           | 1           |             | 1           |             |             | D412-702-301 | HARNESS ASSEMBLY                                                     |
|             | 2           | 1           |             | 1           |             |             | D412-702-303 | HARNESS ASSEMBLY                                                     |
|             | 1           | 1           |             |             | 1           |             | D412-702-305 | HARNESS ASSEMBLY                                                     |
|             | 1           | 1           |             |             |             | 1           | D412-702-307 | HARNESS ASSEMBLY                                                     |
|             | 1           | 1           |             |             |             |             | D412-702-309 | HARNESS ASSEMBLY                                                     |
| 1           | 1           |             | 1           |             |             |             | D412-702-311 | HARNESS ASSEMBLY                                                     |
| 1           | 1           |             | 1           |             |             |             | D412-702-313 | HARNESS ASSEMBLY                                                     |
|             | 1           |             |             | 1           |             |             | D412-702-315 | HARNESS ASSEMBLY                                                     |
|             | 1           |             |             | 1           |             |             | D412-702-317 | HARNESS ASSEMBLY                                                     |
| 1           |             |             |             |             |             |             | D412-702-319 | HARNESS ASSEMBLY                                                     |
| 1           | 1           |             | 1           |             |             |             | D412-702-321 | HARNESS ASSEMBLY                                                     |
| 1           | 1           |             | 1           |             |             |             | D412-702-323 | HARNESS ASSEMBLY                                                     |
|             | 2           | 2           |             |             |             | 1           | D3542-1      | BRACKET                                                              |
|             | 7           | 3           |             | 4           | 1           |             | D3571-1      | GUIDE                                                                |
|             | 2           | 2           |             |             |             | 1           | D3571-3      | GUIDE                                                                |
|             | 2           |             | 2           |             |             |             | D3572-041    | GUIDE ASSEMBLY                                                       |
|             | 12          | 6           |             | 6           | 2           |             | D3578-041    | DOUBLER                                                              |
|             | 2           | 2           |             |             |             | 1           | D3610-041    | BRACKET                                                              |
|             | 2           | 2           |             |             |             | 1           | D3618-1      | CAP                                                                  |
|             |             |             |             | 2           |             |             | D3677-1      | SPACER                                                               |
|             | 9           | 5           |             | 4           | 1           | 1           | D3761-1-041  | HOOK AND LOOP STRIP                                                  |
| 1           |             |             |             |             |             |             | D3920-041    | SEATBELT GUIDE ASSEMBLY                                              |
| 2           |             |             |             |             |             |             | D3920-5      | SEATBELT GUIDE                                                       |
|             | 4           | 4           |             |             |             | 2           | AN4-10A      | BOLT                                                                 |
| 1           | 2           |             | 2           |             |             |             | AN4-16A      | BOLT                                                                 |
| 1           |             |             |             |             |             |             | AN4-21A      | BOLT                                                                 |
| 7           | 4           |             | 4           |             |             |             | AN4-25A      | BOLT                                                                 |
|             | 4           |             | 4           |             |             |             | AN4-27A      | BOLT                                                                 |
|             | 2           | 2           |             |             |             | 1           | AN4-44A      | BOLT                                                                 |
| 18          | 26          | 6           | 20          |             |             | 3           | AN960JD416   | WASHER (OR NAS1149D0463J)                                            |
|             | 4           | 4           |             |             |             | 2           | AN960JD416L  | WASHER (OR NAS1149D0416J)                                            |
|             | 24          | 12          |             | 12          | 4           |             | CR3212-4-4   | RIVET                                                                |
| 9           | 12          | 6           | 6           |             |             | 3           | MS21042L4    | NUT (OR MS21042-4)                                                   |
|             |             |             |             | 6           |             |             | MS21069L3    | ANCHOR NUT                                                           |
|             | 2           | 2           |             |             |             | 1           | MS24693S274  | SCREW                                                                |
|             |             |             |             | 2           |             |             | MS24694S282  | SCREW                                                                |
|             | 3           | 3           |             |             | 1           |             | MS24694S56   | SCREW                                                                |
|             | 10          | 2           |             | 8           |             |             | MS24694S58   | SCREW                                                                |
|             | 1           | 1           |             |             | 1           |             | MS24694S60   | SCREW                                                                |

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Revision: A  
 Date: 10.12.01



